

In the Claims

1
2 1. (Original) A method of creating a liquid developer with improved conductivity
3 comprising:

4 dissolving a solid charge adjuvant in a carrier liquid aided by heating the carrier
5 liquid;

6 then mixing the dissolved charge adjuvant with a thermoplastic resin and carrier
7 liquid;

8 grinding the mixture to form toner particles; and

9 adding a charge director to charge the toner particles.
10

11 2. (Original) A method according to claim 1 wherein mixing and grinding
12 comprises:

13 mixing the thermoplastic resin with carrier liquid;

14 heating the mixture of carrier liquid and thermoplastic resin to plasticize the resin;

15 cooling the plasticized resin;

16 adding the dissolved charged adjuvant to the cooled plasticized resin;

17 grinding the mixture of charge adjuvant and plasticized resin to form toner
18 particles.
19

20 3. (Original) A method according to claim 1 wherein mixing and grinding
21 comprises:

22 mixing the thermoplastic resin with carrier liquid and dissolved charged adjuvant
23 at an elevated temperature;

24 cooling the mixture;
25

1 grinding the cooled mixture to form toner particles.

2
3 4. (Currently Amended) A method according to ~~any of the preceding claims~~
4 claim 1, comprising adding a colorant.

5
6 5. (Canceled)

7
8 6. (Currently Amended) A method according to ~~any of the preceding claims~~
9 claim 1, wherein said charge adjuvant is a metallic soap.

10
11 7. (Original) A method according to claim 6 wherein the metallic soap is an
12 aluminum soap.

13
14 8. (Original) A method according to claim 6, wherein said metallic soap
15 comprises an aluminum stearate

16
17 9. (Original) A method according to claim 7 wherein the aluminum stearate
18 comprises aluminum tri-stearate.

19
20 10. (Currently Amended) A method according to ~~any of the preceding claims~~
21 claim 1, wherein said dissolving is aided by heating to a temperature exceeding 120°C.

22
23 11. (Original) A method according to claim 1, wherein said dissolving is aided by
24 heating to a temperature exceeding 130°C.

1
2 12. (Currently Amended) A method according to ~~any of claims 1-10~~ claim 1,
3 wherein said dissolving is aided by heating to a temperature of no greater than 130°C.
4

5 13. (Currently Amended) A method according to ~~any of the preceding claims~~
6 claim 1 wherein and including cooling the dissolved charge adjuvant to a temperature
7 below 60°C, prior to mixing it with the polymer.
8

9 14. (Currently Amended) A method according to ~~any of the preceding claims~~
10 claim 1 wherein the charge adjuvant has only limited solubility in the carrier liquid at
11 25°C.
12

13 15. (Currently Amended) A method according to ~~any of the preceding claims~~
14 claim 1 wherein the charge adjuvant is substantially insoluble in the carrier liquid at
15 25°C.
16

17 16. (Currently Amended) A method according to ~~any of the preceding claims~~
18 claim 1 wherein the charge adjuvant does not dissolve in the carrier liquid at a
19 temperature at which it is mixed with the polymer, but remains dissolved therein, when
20 dissolved therein at said mixing temperature, when dissolved at a higher temperature.
21

22 17. (Currently Amended) A method according to ~~any of the preceding claims~~
23 claim 1 wherein the charge adjuvant does not substantially dissolve in the carrier liquid at
24 40°, but remains dissolved therein, when dissolved at a higher temperature.
25

1
2 18. (Currently Amended) A method according to ~~any of the preceding claims~~
3 claim 1 wherein the charge adjuvant does not substantially dissolve in the carrier liquid at
4 60°, but remains dissolved therein, when dissolved at a higher temperature.

5
6 19. (Currently Amended) A method according to ~~any of the preceding claims~~
7 claim 1 wherein dissolving includes adding a surfactant to the solution of carrier liquid
8 and charge adjuvant.

9
10 20. (Cancelled)

11
12 21. (Currently Amended) A method according to claim ~~20~~ 1 wherein said
13 mixing and grinding are performed in a same grinder or ~~an~~ a same attritor.

14
15 22. (Currently Amended) A method according to ~~any of claims 1-19~~ claim 1
16 wherein said mixing is performed in a first vessel and wherein said grinding is performed
17 in a second vessel.

18
19 23. (Original) A method according to claim 22 wherein said mixing is performed
20 in a mixer without grinding media.

21
22 24. (Currently Amended) A method according to claim 21 ~~or claim 22~~
23 wherein said grinding is performed in a grinder or an attritor.

1 25. (NEW) A method according to claim 2, wherein said dissolving is aided by
2 heating to a temperature exceeding 120°C.

3
4 26. (NEW) A method according to claim 2, wherein said dissolving is aided by
5 heating to a temperature exceeding 120°C.

6
7 27. (NEW) A method according to claim 10 wherein and including cooling the
8 dissolved charge adjuvant to a temperature below 60°C, prior to mixing it with the
9 polymer.